AMENDMENTS TO THE CLAIMS

1-36. **(Canceled)**

37. **(Currently Amended)** A method of inhibiting the transcription and/or translation of a polynucleotide encoding a ~~mammalian~~ human CDC25A protein in a cell *in vitro*, comprising contacting said polynucleotide with an oligonucleotide that hybridizes to a nucleic acid consisting of the sequence set forth ~~of~~ in SEQ ID NO:1 ~~encoding a mammalian CDC25A protein,~~ or the complement thereof ~~of said sequence, under stringent conditions of 5-10 °C below the calculated melting temperature T_m of said sequence~~.

38. **(Canceled)**

39. **(Currently Amended)** The method of claim ~~38~~ 37, wherein said ~~mammalian~~ human CDC25A has the amino acid sequence set forth in SEQ ID NO: 2.

40. **(Canceled)**

41. **(Currently Amended)** The method of claim 37, wherein said ~~mammalian~~ human CDC25A protein has endogenous tyrosine phosphatase activity.

42. **(Currently Amended)** The method of claim 37, wherein said ~~mammalian~~ human CDC25A protein rescues a cdc25-deficient strain of fission yeast.

43. **(Previously Presented)** The method of claim 37, wherein said polynucleotide is mRNA.

44. **(Canceled)**

45. **(New)** A method of inhibiting the transcription and/or translation of a polynucleotide encoding a human CDC25A protein in a cell *in vitro*, comprising contacting said polynucleotide with an oligonucleotide that

(i) is complementary to the sequence set forth in SEQ ID NO: 1 or to a portion thereof; and

(ii) hybridizes to the polynucleotide or to the complement thereof.

46. (**New**) The method of claim 45, wherein the polynucleotide encoding the human CDC25A protein comprises a sequence as set forth in SEQ ID NO:1.

47. (**New**) The method of claim 45, wherein said human CDC25A has the amino acid sequence set forth in SEQ ID NO: 2.